

## Refine Search

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### Search Results -

Terms	Documents
(p21 or WAF1 or cip1 or sdi1) near10 vector\$ near5 titer\$	0

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Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L2

Refine Search

Recall Text

Clear

Interrupt

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### Search History

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DATE: Sunday, March 07, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L2</u>	(p21 or WAF1 or cip1 or sdi1) near10 vector\$ near5 titer\$	0	<u>L2</u>
<u>L1</u>	(p21 or WAF1 or cip1 or sdi1) near10 (producer or production) near5 (cell or cells) and adenovir\$ near vector\$	5	<u>L1</u>

END OF SEARCH HISTORY

Set	Items	Description
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? begin 5,6,55,154,155,312,399,biotech,biosci

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Set	Items	Description
? s	(p21 or WAF1 or cip1 or sdil) (5n)	(producer or packaging) (5n) apoptosis
	95463	P21
	20881	WAF1
	22947	CIP1
	1689	SDI1
	74343	PRODUCER
	269879	PACKAGING
	719639	APOPTOSIS
S1	7	(P21 OR WAF1 OR CIP1 OR SDI1) (5N) (PRODUCER OR PACKAGING) (5N) APOPTOSIS

? rd s1

...completed examining records

S2 1 RD S1 (unique items)

? d s2/9/1-2

Display 2/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0012674646 BIOSIS NO.: 200000392959

Construction of a high-resolution 2.5-Mb transcript map of the human

6p21.2-6p21.3 region immediately centromeric of the major

histocompatibility complex

AUTHOR: Tripodis Nicos; Palmer Sophie; Phillips Sam; Milne Sarah; Beck

Stephan; Ragoussis Jiannis (Reprint)

AUTHOR ADDRESS: Genomics Laboratory, Division of Medical and Molecular

Genetics, GKT School of Medicine, King's College London, Guy's Campus,

London, SE1 9RT, UK\*\*UK

JOURNAL: Genome Research 10 (4): p454-472 April, 2000 2000

MEDIUM: print

ISSN: 1088-9051

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

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Display 2/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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ABSTRACT: We have constructed a 2.5-Mb physical and transcription map that spans the human 6p21.2-6p21.3 region and includes the centromeric end of the MHC, using a combination of techniques. In total 88 transcription units including exons, cDNAs, and cDNA contigs were characterized and 60 were confidently positioned on the physical map. These include a number of genes encoding nuclear and splicing factors (Ndr kinase, HSU09564, HSRP20); cell cycle, DNA **packaging**, and **apoptosis** related (**p21**, HMGI(Y), BAK); immune response (CSBP, SAPK4); transcription activators and zinc finger-containing genes (TEF-5, ZNF76); embryogenesis related (Csa-19); cell signaling (DIPP); structural (HSET), and other genes (TULP1, HSPRARD, DEF-6, EO6811, cyclophilin), as well as a number of RP genes and pseudogenes (RPS10, RPS12-like, RPL12-like, RPL35-like). Furthermore, several novel genes (a Br140-like, a G2S-like, a FBN2-like, a ZNF-like, and B1/KIAA0229) have been identified, as well as cDNAs and cDNA contigs. The detailed map of the gene content of this chromosomal segment provides a number of candidate genes, which may be involved in several biological processes that have been associated with this region,

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Display 2/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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such as spermatogenesis, development, embryogenesis, and neoplasia. The data provide useful tools for syntenic studies between mice and humans, for genome structure analysis, gene density comparisons, and studies of nucleotide composition, of different isochores and Giemsa light and Giemsa dark bands.

DESCRIPTORS:

MAJOR CONCEPTS: Molecular Genetics--Biochemistry and Molecular Biophysics  
; Methods and Techniques

BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata,  
Animalia; Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: human (Hominidae); mouse (Muridae)

ORGANISMS: PARTS ETC: chromosome 6--p21.2-21.3 region

COMMON TAXONOMIC TERMS: Humans; Primates; Animals; Chordates; Mammals;  
Nonhuman Vertebrates; Nonhuman Mammals; Rodents; Vertebrates

CHEMICALS & BIOCHEMICALS: major histocompatibility complex

METHODS & EQUIPMENT: DNA sequencing--sequencing method, sequencing

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Display 2/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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techniques; Marathon-Ready cDNA kit--Clontech, laboratory equipment;  
RACE PCR {rapid amplification of complementary DNA ends polymerase  
chain reaction}--DNA amplification method, polymerase chain reaction;  
automated ABI 373 DNA sequencer--Applied Biosystems, laboratory  
equipment; automated ABI 377 DNA sequencer--Applied Biosystems,  
laboratory equipment; chromosome mapping--genetic method, mapping  
techniques; direct cDNA library screening {direct complementary DNA  
library screening}--genetic analysis, genetic method; exon trapping--  
genetic analysis, genetic method; northern blotting--analytical method  
, detection/labeling techniques; southern blotting--analytical method,  
detection/labeling techniques

MISCELLANEOUS TERMS: gene density; nucleotide composition

CONCEPT CODES:

03502 Genetics - General

03506 Genetics - Animal

03508 Genetics - Human

10062 Biochemistry studies - Nucleic acids, purines and pyrimidines

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Display 2/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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10064 Biochemistry studies - Proteins, peptides and amino acids

BIOSYSTEMATIC CODES:

86215 Hominidae

86375 Muridae

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Display 1/9/2 (Item 1 from file: 55)

DIALOG(R)File 55:Biosis Previews(R)

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0012674646 BIOSIS NO.: 200000392959

Construction of a high-resolution 2.5-Mb transcript map of the human  
6p21.2-6p21.3 region immediately centromeric of the major  
histocompatibility complex  
AUTHOR: Tripodis Nicos; Palmer Sophie; Phillips Sam; Milne Sarah; Beck  
Stephan; Ragoussis Jiannis (Reprint)  
AUTHOR ADDRESS: Genomics Laboratory, Division of Medical and Molecular  
Genetics, GKT School of Medicine, King's College London, Guy's Campus,  
London, SE1 9RT, UK\*\*UK  
JOURNAL: Genome Research 10 (4): p454-472 April, 2000 2000  
MEDIUM: print  
ISSN: 1088-9051  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

-more-

? s adenovir? (n) vector? (10n) (p21 or WAF1 or cip1 or sdil) (10n) (producer or  
pacakging or production)

212057 ADENOVIR?  
1310213 VECTOR?  
95463 P21  
20881 WAF1  
22947 CIP1  
1689 SDI1  
74343 PRODUCER  
7 PACAKGING  
5046423 PRODUCTION  
S3 2 ADENOVIR? (N) VECTOR? (10N) (P21 OR WAF1 OR CIP1 OR SDI1)  
(10N) (PRODUCER OR PACAKGING OR PRODUCTION)

? d s3/9/1-2

Display 3/9/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

132089222 CA: 132(8)89222p PATENT

Optimizing production of adenovirus vectors with cell lines producing  
cell cycle regulator p21

INVENTOR(AUTHOR): Dorken, Bernd; Wolff, Gerhard; Schumacher, Axel

LOCATION: Germany,

ASSIGNEE: Max-Delbrück-Centrum für Molekulare Medizin

PATENT: PCT International ; WO 200003028 A2 DATE: 20000120

APPLICATION: WO 99DE2181 (19990712) \*DE 19830907 (19980710)

PAGES: 13 pp. CODEN: PIXXD2 LANGUAGE: German CLASS: C12N-015/86A;

C07K-014/82B; C07K-014/47B DESIGNATED COUNTRIES: AE; AL; AM; AU; AZ; BA;  
BB; BG; BR; BY; CA; CN; CU; CZ; EE; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS;  
JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LV; MD; MG; MK; MN; MW; MX; NO;  
NZ; PL; RO; RU; SD; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU;  
ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE  
; LS; MW; SD; SL; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE;

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Display 3/9/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

SN; TD; TG

SECTION:

CA203001 Biochemical Genetics

IDENTIFIERS: adenovirus vector prodn cell cyclin dependent kinase  
inhibitor p21

DESCRIPTORS:

Animal cell line...

optimizing prodn. of adenovirus vectors with cell lines producing cell cycle regulator p21  
Cyclin dependent kinase inhibitors...  
p21CIP1/WAF1; optimizing prodn. of adenovirus vectors with cell lines producing cell cycle regulator p21  
Human adenovirus...  
vectors; optimizing prodn. of adenovirus vectors with cell lines producing cell cycle regulator p21

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Display 3/9/2 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0251619 DBR Accession No.: 2000-06109 PATENT  
Optimized **production** of **adenoviral vectors**, useful in gene therapy, by overexpressing the anti-apoptotic cell-cycle regulator **p21** in the **producer** cell - with overexpression of plasmid p21 resulting in increased production

AUTHOR: Dorken B

CORPORATE SOURCE: Berlin, Germany.

PATENT ASSIGNEE: Max-Delbrueck-Cent.Mol.Med.Berlin 2000

PATENT NUMBER: WO 200003028 PATENT DATE: 20000120 WPI ACCESSION NO.:  
2000-182223 (2016)

PRIORITY APPLIC. NO.: DE 1030907 APPLIC. DATE: 19980710

NATIONAL APPLIC. NO.: WO 99DE2181 APPLIC. DATE: 19990712

LANGUAGE: German

ABSTRACT: Optimizing the production of adeno virus vectors (I) by introducing and expressing a gene (II) for plasmid p21 in the producer cell line, independently of the endogenous status of the plasmid p21

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Display 3/9/2 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
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cell-cycle regulator, is claimed. (I) are useful as gene therapy vectors. The method can be applied to any producer cell line and overexpression of plasmid p21 results in increased production of (I). In an example, the adeno virus vector producer line 293 was infected with adeno virus vectors expressing the anti-apoptotic p21 gene or the pro-apoptotic p53 gene. Cells of p21 retained their normal morphology for longer than those of p53 and the concentration of lactate dehydrogenase, an indicator of cell damage, in the medium was 2200 units/l for p53 but only about 1000 units/l for p21, after 96 hr of culture. In the preferred process, (II) is expressed stably (integrated in the host genome) or transiently (episomal retention), under control of constitutive or regulatable promoters. It is introduced by standard methods, as naked DNA or as part of a (non) viral vector. (12pp)

DESCRIPTORS: adeno virus vector prepare, anti-apoptotic cell cycle regulator p21 overexpression in producer cell, e.g. 293 cell, appl. gene therapy cell culture human embryo kidney animal mammal (Vol.19, No.11)

SECTION: PHARMACEUTICALS-Clinical Genetic Techniques; GENETIC ENGINEERING

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Display 3/9/2 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
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AND FERMENTATION-Nucleic Acid Technology; CELL CULTURE-Animal Cell Culture (D7,A1,J1)

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? e au=dorkenbernd

Ref	Items	Index-term
E1	1	AU=DORKEN, P.
E2	1	AU=DORKEN, T. C.
E3	0	*AU=DORKENBERND
E4	53	AU=DORKENOO A
E5	1	AU=DORKENOO A E
E6	12	AU=DORKENOO A.
E7	1	AU=DORKENOO A.E.
E8	2	AU=DORKENOO AYMEE
E9	4	AU=DORKENOO E
E10	1	AU=DORKENOO E.
E11	2	AU=DORKENOO EFUA
E12	1	AU=DORKENOO EPHREM SETH

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? e au=dorken bernd

Ref	Items	Index-term
E1	309	AU=DORKEN B.
E2	2	AU=DORKEN BERN
E3	117	*AU=DORKEN BERND
E4	1	AU=DORKEN BH
E5	2	AU=DORKEN D
E6	75	AU=DORKEN E
E7	7	AU=DORKEN E.
E8	1	AU=DORKEN ERKAN
E9	65	AU=DORKEN H
E10	8	AU=DORKEN H.
E11	1	AU=DORKEN HJ
E12	3	AU=DORKEN J

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? e au=dorken, bernd

Ref	Items	Index-term
E1	1	AU=DORKEN, AUGUST
E2	30	AU=DORKEN, B.
E3	62	*AU=DORKEN, BERND
E4	3	AU=DORKEN, E.
E5	1	AU=DORKEN, ELAINE
E6	12	AU=DORKEN, ERKAN
E7	2	AU=DORKEN, H.
E8	1	AU=DORKEN, HERBERT
E9	2	AU=DORKEN, J.
E10	1	AU=DORKEN, JOHN
E11	2	AU=DORKEN, K. R.
E12	2	AU=DORKEN, M. E

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S4 62 AU='DORKEN, BERND'

? s s4 and adenovir?

62 S4

212057 ADENOVIR?

S5 3 S4 AND ADENOVIR?

? d s5/3/1-3

Display 5/3/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

137320033 CA: 137(22)320033u JOURNAL  
Adenovirus-mediated overexpression of p14ARF induces p53 and  
Bax-independent apoptosis  
AUTHOR(S): Hemmati, Philipp G.; Gillissen, Bernhard; von Haefen, Clarissa  
; Wendt, Jana; Starck, Lilian; Guner, Dilek; Dorken, Bernd; Daniel, Peter  
T.  
LOCATION: Department of Hematology, Oncology and Tumor Immunology,  
Humboldt University, Berlin, Germany, 13125  
JOURNAL: Oncogene (Oncogene) DATE: 2002 VOLUME: 21 NUMBER: 20 PAGES:  
3149-3161 CODEN: ONCNES ISSN: 0950-9232 LANGUAGE: English PUBLISHER:  
Nature Publishing Group

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Display 5/3/2 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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132089222 CA: 132(8)89222p PATENT  
Optimizing production of adenovirus vectors with cell lines producing  
cell cycle regulator p21  
INVENTOR(AUTHOR): Dorken, Bernd; Wolff, Gerhard; Schumacher, Axel  
LOCATION: Germany,  
ASSIGNEE: Max-Delbrück-Centrum für Molekulare Medizin  
PATENT: PCT International ; WO 200003028 A2 DATE: 20000120  
APPLICATION: WO 99DE2181 (19990712) \*DE 19830907 (19980710)  
PAGES: 13 pp. CODEN: PIXXD2 LANGUAGE: German CLASS: C12N-015/86A;  
C07K-014/82B; C07K-014/47B DESIGNATED COUNTRIES: AE; AL; AM; AU; AZ; BA;  
BB; BG; BR; BY; CA; CN; CU; CZ; EE; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS;  
JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LV; MD; MG; MK; MN; MW; MX; NO;  
NZ; PL; RO; RU; SD; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU;  
ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE  
; LS; MW; SD; SL; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE;

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Display 5/3/3 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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130047225 CA: 130(5)47225v JOURNAL  
Ex vivo breast cancer cell purging by adenovirus-mediated cytosine  
deaminase gene transfer and short-term incubation with 5-fluorocytosine  
completely prevents tumor growth after transplantation  
AUTHOR(S): Wolff, Gerhard; Korner, Ida J.; Schumacher, Axel; Arnold,  
Wolfgang; Dorken, Bernd; Mapara, Markus Y.  
LOCATION: Department of Hematology, Oncology, and Tumor Immunology,  
Robert-Rossle-Klinik, University Medical Center, Charite, Humboldt  
University of Berlin, Berlin, Germany, 13125  
JOURNAL: Hum. Gene Ther. DATE: 1998 VOLUME: 9 NUMBER: 15 PAGES:  
2277-2284 CODEN: HGTHE3 ISSN: 1043-0342 LANGUAGE: English PUBLISHER:  
Mary Ann Liebert, Inc.

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